

**RECEIVED
CENTRAL FAX CENTER****FAX TRANSMISSION**

FEB 06 2004

OFFICIAL**DATE:** February 4, 2004**PTO IDENTIFIER:** Application Number 09/376,430-Conf. #6501
Patent Number**Inventor:** Moore et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (703) 872-9306**FROM:** HUMAN GENOME SCIENCES, INC.

Janet Martineau

PHONE: (301) 315-2723**Attorney Dkt. #:** PF466P1**PAGES (Including Cover Sheet):** 18**CONTENTS:** Fee Transmittal;
Response and Amendment Under 37 C.F.R. 1.111, and
Certificate of Transmission Under 37 C.F.R. 1.8.

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (301) 610-5771 and send the original transmission to us by return mail at the address below

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

HUMAN GENOME SCIENCES, INC.
14200 Shady Grove Road, Rockville, Maryland 20850
Telephone: (301) 610-5790 Facsimile: (301) 309-8439

PTO/SB/97 (12-97)

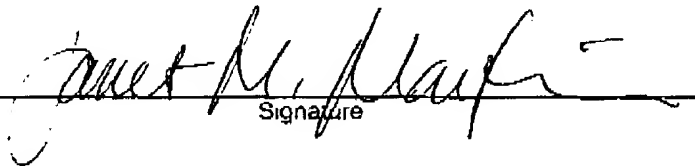
Approved for use through 9/30/00. OMB 0851-0031
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
Application No. 09/376,430-Conf. #8501 Attorney Docket No. PF466P1

Certificate of Transmission Under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States
Patent and Trademark Office

on February 4, 2004
Date


Signature

Janet M. Martineau
Typed or printed name of person signing Certificate

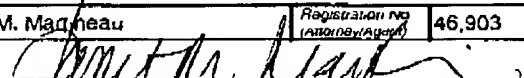
Note: Each paper must have its own certificate of transmission, or this certificate
must identify each submitted paper.

Fee Transmittal; and
Response and Amendment Under 37 C.F.R. 1.111.

Use in lieu of PTO/SB/17 (US-03)
(Form updated to reflect FY 2004 fees effective 10/1/03)

FEE TRANSMITTAL for FY 2004		Complete if Known	
<small>Effective 10/01/2003. Patent fees are subject to annual revision.</small>		Application Number	09/376,430-Conf. #6501
		Filing Date	August 18, 1999
		First Named Inventor	Paul A. Moore
		Examiner Name	E. O'Hara
		Art Unit	1646
		Attorney Docket No.	PF466P1
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT		(\$) 344.00	

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																																			
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account		3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>86</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804</td><td>820*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Sheet</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property times number of properties</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	86	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	820*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	280	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Sheet		8021	40	8021	40	Recording each patent assignment per property times number of properties		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application	
Large Entity				Small Entity		Fee Description	Fee Paid																																																																																																																																																																														
Fee Code	Fee (\$)			Fee Code	Fee (\$)																																																																																																																																																																																
1051	130			2051	86	Surcharge - late filing fee or oath																																																																																																																																																																															
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																	
1053	130	1053	130	Non-English specification																																																																																																																																																																																	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																	
1804	820*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																	
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																	
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																	
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																	
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																	
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																	
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																	
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																	
1403	280	2403	145	Request for oral hearing																																																																																																																																																																																	
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																	
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																	
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																	
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																	
1502	480	2502	240	Design issue fee																																																																																																																																																																																	
1503	640	2503	320	Plant issue fee																																																																																																																																																																																	
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																	
1806	180	1806	180	Submission of Information Disclosure Sheet																																																																																																																																																																																	
8021	40	8021	40	Recording each patent assignment per property times number of properties																																																																																																																																																																																	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																	
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																	
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																	
1. BASIC FILING FEE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td></td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>180</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee		1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	180	2005	80	Provisional filing fee																																																																																																																																													
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																		
1001	770	2001	385	Utility filing fee																																																																																																																																																																																	
1002	340	2002	170	Design filing fee																																																																																																																																																																																	
1003	530	2003	265	Plant filing fee																																																																																																																																																																																	
1004	770	2004	385	Reissue filing fee																																																																																																																																																																																	
1005	180	2005	80	Provisional filing fee																																																																																																																																																																																	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>64</td> <td>-81** = 0</td> <td>0</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>16</td> <td>-12** = 4</td> <td>86.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Total Claims	Extra Claims	Fee from below	Fee Paid	64	-81** = 0	0		Independent Claims	16	-12** = 4	86.00	Multiple Dependent																																																																																																																																																																							
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																		
64	-81** = 0	0																																																																																																																																																																																			
Independent Claims	16	-12** = 4	86.00																																																																																																																																																																																		
Multiple Dependent																																																																																																																																																																																					
FEE CALCULATION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20		1201	86	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple dependent claim, if not paid		1204	86	2204	43	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																													
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																		
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																	
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																																	
1203	290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																																	
1204	86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																																	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																	
SUBTOTAL (1) (\$) 0.00																																																																																																																																																																																					
SUBTOTAL (2) (\$) 344.00 <small>**or number previously paid, if greater. For Reissues, see above</small>		SUBTOTAL (3) (\$) 0.00 <small>*Reduced by Basic Filing Fee Paid</small>																																																																																																																																																																																			

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Janet M. Macneau	Registration No. (Attorney/Agent)	46,903
Signature		Telephone	(301) 315-2723
		Date	February 4, 2004

RECEIVED
CENTRAL FAX CENTER

FEB 06 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re application of: Moore et al.

Application Serial No.: 09/376,430

Art Unit: 1646

Filed: August 18, 1999

Examiner: O'Hara, E.

For: Cytokine Receptor Common
Gamma Chain Like

Attorney Docket No.: PF466P1

RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Official Action mailed November 5, 2003, Applicants respectfully request entry and consideration of the following remarks. Applicants submit concurrently herewith a Fee Transmittal Sheet.

Prior to examining the captioned application, Applicants respectfully request the entry of the amendments on the following pages.

- Amendments to the claims begin on page 2 of this paper.
- Remarks begin on page 12 of this paper.